

**AIR EMISSION PERMIT NO. 04900007- 002  
(ADMINISTRATIVE AMENDMENT)  
IS ISSUED TO**

**USG INTERIORS INC – RED WING**  
27384 Highway 61 Boulevard  
Red Wing, Goodhue County, MN 55066-5525

The emission units, control equipment and emission stacks at the stationary source authorized in this permit are as described in the following permit application:

Permit Type	Application Date
Total Facility Operating Permit	June 15, 1995

This permit amends Air Emission Permit No. 04900007-001 and authorizes the Permittee to operate the stationary source at the address listed above unless otherwise noted in Table A. The Permittee must comply with all the conditions of the permit. Any changes or modifications to the stationary source must be performed in compliance with Minn. R. 7007.1150 to 7007.1500. Terms used in the permit are as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

<b>Permit Type:</b> Federal; Part 70	<b>Amendment Type:</b> Administrative
<b>Issue Date:</b> July 21, 1999	<b>Issue Date:</b> June 28, 2001

**Expiration:** July 21, 2004

All Title I Conditions do not expire.

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Richard J. Sandberg, Manager  
Major Facilities Section  
Metro District

For Karen A. Studders, Commissioner  
Minnesota Pollution Control Agency

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**NOTICE TO THE PERMITTEE:**

Your stationary source may be subject to the requirements of the Minnesota Pollution Control Agency's (MPCA) solid waste, hazardous waste, and water quality programs. If you wish to obtain information on these programs, including information on obtaining any required permits, please contact the MPCA general information number at:

Metro Area	(651) 296-6300
Outside Metro Area	1-800-657-3864
TTY	(651) 282-5332

The rules governing these programs are contained in Minn. R. chs. 7000-7105. Written questions may be sent to: Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194.

Questions about this air emission permit or about air quality requirements can also be directed to the telephone numbers and address listed above.

**PERMIT SHIELD:**

Subject to the limitations in Minn. R. 7007.1800, compliance with the conditions of this permit shall be deemed compliance with the specific provision of the applicable requirement identified in the permit as the basis of each condition. Subject to the limitations of Minn. R. 7007.1800 and 7017.0100, subp. 2, notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.

**FACILITY DESCRIPTION:**

USG Interiors produces mineral wool at its plant in Red Wing. The mineral wool is then sent to other facilities to be made into products such as ceiling tiles. Main emission sources involved in this process are the two cupolas, where the stone and slag are heated and melted with coke, the blow chambers where the melt is spun and blown into wool fibers, and the facility boiler, used for heating the facility when the cupolas are not operating. The boiler is fueled with natural gas. There are also storage tanks for diesel fuel, oxygen, polyethylene glycol, and chain lube. All are below the size that would be subject to any federal or state regulation. Fugitive particulate matter emission sources are produced by raw material handling and storage piles, and unpaved roads. The plant is an existing major source for sulfur dioxide, carbon monoxide, and carbonyl sulfide.

**AMENDMENT DESCRIPTION:**

This permit amendment is an MPCA-initiated administrative amendment. It implements the current MPCA air dispersion modeling policy and imposes additional requirements on the Permittee.

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

07/28/01

Facility Name: USG Interiors Inc - Red Wing  
 Permit Number: 04900007 - 002

Table A contains limits and other requirements with which your facility must comply. The limits are located in the first column of the table (What To do). The limits can be emission limits or operational limits. This column also contains the actions that you must take and the records you must keep to show that you are complying with the limits. The second column of Table A (Why to do it) lists the regulatory basis for these limits. Appendices included as conditions of your permit are listed in Table A under total facility requirements.

Subject Item:	Total Facility
What to do	Why to do it
Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment.	Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
Fugitive Emissions Control Plan: The Permittee shall submit a fugitive emissions control plan within 60 days after July 21, 1999 for review and approval by the Commissioner. The plan shall identify all fugitive emission sources, primary and contingent control measures, and recordkeeping. The Permittee shall follow the actions and recordkeeping specified in the control plan. The plan may be amended by the Permittee with the Commissioner's approval. If the Commissioner determines the Permittee is out of compliance with Minn. R. 7011.0150 or the fugitive emission control plan, then the Permittee may be required to amend the control plan and/or to install and operate particulate matter ambient air monitors.	Minn. R. 7007.0800, subp. 2
Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in Tables A, B, and/or C.	Minn. R. ch. 7017
Any limit set as a result of a performance test (conducted before or after permit issuance) applies until superseded as specified by Minn. R. 7017.2025 following formal review of a subsequent performance test on the same unit.	Minn. R. 7017.2025
Monitoring Equipment: Install or make needed repairs to monitoring equipment within 60 days of July 21, 1999 if monitoring equipment is not installed and operational on July 21, 1999.	Minn. R. 7007.0800, subp. 4(D)
Monitoring Equipment Calibration: Annually calibrate all required monitoring equipment (any requirements applying to continuous monitors are listed separately in this permit).	Minn. R. 7007.0800, subp. 4(D)
Operation of Monitoring Equipment: Unless otherwise noted in Tables A, B, and/or C, monitoring a process or control equipment connected to that process is not necessary during periods when the process is shutdown, or during checks of the monitoring systems, such as calibration checks and zero and span adjustments. If monitoring records are required, they should reflect any such periods of process shutdown or checks of the monitoring system.	Minn. R. 7007.0800, subp. 4(D)
Circumvention: Do not install or use a device or means that conceals or dilutes emissions, which would otherwise violate a federal or state air pollution control rule, without reducing the total amount of pollutant emitted.	Minn. R. 7011.0020
Shutdown Notifications: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any control equipment or process equipment if the shutdown would cause any increase in the emissions of any regulated air pollutant. If the owner or operator does not have advance knowledge of the shutdown, notification shall be made to the Commissioner as soon as possible after the shutdown. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 3.  At the time of notification, the owner or operator shall inform the Commissioner of the cause of the shutdown and the estimated duration. The owner or operator shall notify the Commissioner when the shutdown is over.	Minn. R. 7019.1000, subp. 3
Breakdown Notifications: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any control equipment or process equipment if the breakdown causes any increase in the emissions of any regulated air pollutant. This includes bypassing the fabric filter control system for the cupolas. The 24-hour time period starts when the breakdown was discovered or reasonably should have been discovered by the owner or operator. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 2.  At the time of notification or as soon as possible thereafter, the owner or operator shall inform the Commissioner of the cause of the breakdown and the estimated duration. The owner or operator shall notify the Commissioner when the breakdown is over.	Minn. R. 7019.1000, subp. 2
Notification of Deviations Endangering Human Health or the Environment: As soon as possible after discovery, notify the Commissioner or the state duty officer, either orally or by facsimile, of any deviation from permit conditions which could endanger human health or the environment.	Minn. R. 7019.1000, subp. 1

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

07/28/01

Facility Name: USG Interiors Inc - Red Wing

Permit Number: 04900007 - 002

<p>Notification of Deviations Endangering Human Health or the Environment Report: Within 2 working days of discovery, notify the Commissioner in writing of any deviation from permit conditions which could endanger human health or the environment. Include the following information in this written description:</p> <ol style="list-style-type: none"> <li>1. the cause of the deviation;</li> <li>2. the exact dates of the period of the deviation, if the deviation has been corrected;</li> <li>3. whether or not the deviation has been corrected;</li> <li>4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and</li> <li>5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.</li> </ol>	<p>Minn. R. 7019.1000, subp. 1</p>
<p>Operation Changes: In any shutdown, breakdown, or deviation the Permittee shall immediately take all practical steps to modify operations to reduce the emission of any regulated air pollutant. The Commissioner may require feasible and practical modifications in the operation to reduce emissions of air pollutants. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment shall be permitted to operate.</p>	<p>Minn. R. 7019.1000, subp. 4</p>
<p>Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated, unless otherwise noted in Table A.</p>	<p>Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)</p>
<p>Fugitive Emissions: Do not cause or permit the handling, use, transporting, or storage of any material in a manner which may allow avoidable amounts of particulate matter to become airborne. Comply with all other requirements listed in Minn. R. 7011.0150.</p>	<p>Minn. R. 7011.0150</p>
<p>Application for Permit Amendment: If a permit amendment is needed, submit an application in accordance with the requirements of Minn. R. 7007.1150 through Minn. R. 7007.1500. Submittal dates vary, depending on the type of amendment needed.</p>	<p>Minn. R. 7007.1150 through Minn. R. 7007.1500</p>
<p>Extension Requests: The Permittee may apply for an Administrative Amendment to extend a deadline in a permit by no more than 120 days, provided the proposed deadline extension meets the requirements of Minn. R. 7007.1400, subp. 1(H).</p>	<p>Minn. R. 7007.1400, subp. 1(H)</p>
<p>Record keeping: Maintain records describing any insignificant modifications (as required by Minn. R. 7007.1250, subp. 3) or changes contravening permit terms (as required by Minn. R. 7007.1350, subp. 2), including records of the emissions resulting from those changes.</p>	<p>Minn. R. 7007.0800, subp. 5(B)</p>
<p>Record keeping: Retain all records at the stationary source for a period of five (5) years from the date of monitoring, sample, measurement, or report. Records which must be retained at this location include all calibration and maintenance records, all original recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A).</p>	<p>Minn. R. 7007.0800, subp. 5(C)</p>
<p>Noise: The Permittee shall comply with the noise standards set forth in Minn. R. 7030.0010 to 7030.0080 at all times during the operation of any emission units. This is a state only requirement and is not federally enforceable.</p>	<p>Minn. R. 7030.0010 - 7030.0080</p>
<p>The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.</p>	<p>Minn. R. 7007.0800, subp. 16</p>
<p>Inspections: Upon presentation of credentials and other documents as may be required by law, allow the Agency, or its representative, to enter the Permittee's premises to have access to and copy any records required by this permit, to inspect at reasonable times (which include any time the source is operating) any facilities, equipment, practices or operations, and to sample or monitor any substances or parameters at any location.</p>	<p>Minn. R. 7007.0800, subp. 9(A)</p>
<p>Emission Inventory Report: due 91 days after end of each calendar year following July 21, 1999 (April 1). To be submitted on a form approved by the Commissioner.</p>	<p>Minn. R. 7019.3000 through Minn. R. 7019.3010</p>
<p>Emission Fees: due 60 days after receipt of an MPCA bill.</p>	<p>Minn. R. 7002.0005 through Minn. R. 7002.0095</p>

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

07/28/01

Facility Name: USG Interiors Inc - Red Wing

Permit Number: 04900007 - 002

**Subject Item: SV 005 Day Vac Screen Filter (CE 002)**

**Associated Items:** EU 003 Blow Chamber #1

EU 004 Blow Chamber #2

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot unless required to reduce further to the less stringent limit given in either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Opacity: less than or equal to 20 percent opacity	Minn. R. 7011.0715, subp. 1(B)
PERFORMANCE TESTING	hdr
Performance Test: due 240 days after 07/21/1999 to measure total particulate matter (TSP) emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4
CONTROL EQUIPMENT REQUIREMENTS	hdr
Day Vac Filter (CE 002) Inspection: Once each operating day, visibly inspect the Day Vac Filter for the presence of any screen holes or tears, or the presence of any other impairment of the Day Vac Filter that reduces particulate matter collection efficiency. Record the results of each inspection after completion of the inspection.	Minn. R. 7007.0800, subps. 4 and 5
Corrective Action: If the daily inspection reveals the presence of any holes or tears in any Day Vac Filter screen, or if the Permittee observes any other impairment of the Day Vac Filter that reduces particulate matter collection efficiency, take appropriate corrective action as soon as possible to repair the screen and/or to restore Day Vac Filter collection efficiency. Record all corrective actions taken upon completion of the action.	Minn. R. 7007.0800, subps. 14 and 5

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

07/28/01

Facility Name: USG Interiors Inc - Red Wing

Permit Number: 04900007 - 002

**Subject Item: SV 009 (CE 001 bagfilter and CE 003 thermal oxidizer)**

**Associated Items: EU 001 Cupola #1**

EU 002 Cupola #2

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot unless required to further reduce emissions to the less stringent limit given in either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0610, subp. 1(A)(1)
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity. An exceedance of this opacity standard occurs whenever any one-hour period contains two or more six-minute periods during which the average opacity exceeds 20 percent or whenever any one-hour period contains one or more six-minute periods during which the average opacity exceeds 60 percent.	Minn. R. 7011.0610, subp. 1(A)(2)
Sulfur Dioxide: less than or equal to 371 lbs/hour based on a 1-hour average	Minn. R. 7009.0020-.0080, Ambient Standards for Sulfur Dioxide
CONTROL EQUIPMENT REQUIREMENTS	hdr
Except during periods of breakdown of control equipment, vent all emissions from EU 001 and EU 002 through CE 001 and CE 003.	Minn. R. 7007.0800, subp. 2, Minn. R. 7009.0080, State Ambient Standards for Carbon Monoxide and Hydrogen Sulfide, and 40 CFR 50, National Ambient Air Standards for Carbon Monoxide
CE 003 firebox Temperature: greater than or equal to 1400 degrees F and less than or equal to 1750 degrees F using 3-hour Average	Minn. R. 7007.0800, subp. 14; Minn. R. 7009.0020 and Minn. R. 7009.0080 (Ambient Standards for Carbon Monoxide and Hydrogen Sulfide)
Corrective Action: If during operation of EU 001 and/or EU 002 the CE 003 3-hour block temperature average is outside the permitted range, the Permittee shall take corrective action as soon as possible to restore the temperature to within the required range. The Permittee shall record in a log all corrective actions taken upon completion of each action. The reporting requirements specified under the total facility requirements section, for shutdowns and breakdowns, must also be followed.	Minn. R. 7007.0800, subp. 2 and 5
Maintain pressure drop across the baghouse according to manufacturer's recommended pressure drop range. This pressure drop range shall be listed in the O and M Plan for these units.	Minn. R. 7007.0800, subp. 14
Corrective Action: If during operation of EU 001 and/or EU 002 the baghouse differential pressure drop is outside the permitted range, the Permittee shall take corrective action as soon as possible to restore the pressure drop to within the required range. The Permittee shall record in a log all corrective actions taken upon completion of each action. The reporting requirements specified under the total facility requirements section, for shutdowns and breakdowns, must also be followed.	Minn. R. 7007.0800, subp. 2 and 5
MONITORING	hdr
CE 003 Temperature Monitoring: Install, operate, and maintain a temperature measurement device that continuously measures the operating temperature of CE 003 and determines and records the temperature in 15-minute block averages.  Ensure the immediate repair or replacement of the temperature monitoring system (TMS) parts to correct routine or otherwise predictable malfunctions.  The TMS shall be installed such that representative measurements of temperature in the firebox are obtained. The TMS shall be installed, operational and the data verified either prior to or in conjunction with conducting the performance tests required in this table.	Minn. R. 7007.0800, subp. 4 and 5; Minn. R. 7017.1000, subp. 1
CE 002 Differential Pressure Monitoring: Operate, and maintain a differential pressure monitoring device that continuously measures the pressure drop across the baghouse, CE002.  Differential pressure drop shall be recorded once every 2 hours that the cupolas are in operation.	Minn. R. 7007.0800, subp. 4 and 5
PERFORMANCE TESTING	hdr
Initial Performance Test: due 240 days after 07/21/1999 to measure PM, Hydrogen Sulfide (H2S) and Sulfur Dioxide (SO2) emissions.	Minn. R. 7017.2020, subp. 1

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

07/28/01

Facility Name: USG Interiors Inc - Red Wing

Permit Number: 04900007 - 002

**Subject Item: EU 005 Heating Boiler****Associated Items: SV 001**

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than or equal to 0.4 lbs/million Btu heat input	Minn. R. 7011.0550
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity. An exceedance of this opacity standard occurs whenever any one-hour period contains two or more six-minute periods during which the average opacity exceeds 20 percent or whenever any one-hour period contains one or more six-minute periods during which the average opacity exceeds 60 percent.	Minn. R. 7011.0515, subp. 2
OPERATING RESTRICTIONS AND MONITORING	hdr
Fuel Restriction: EU 005 fuel is restricted to natural gas only.	Minn. R. 7007.0800, subp. 2
Fuel Type Monitoring: the Permittee shall keep a record log of all fuel types combusted in EU 005. Records shall be entered in the log no less frequently than once each calendar half year.	Minn. R. 7007.0800, subps. 4 and 5

**TABLE B: SUBMITTALS**

07/28/01

Facility Name: USG Interiors Inc - Red Wing  
Permit Number: 04900007 - 002

Table B lists most of the submittals required by this permit. Please note that some submittal requirements may appear in Table A or, if applicable, within a compliance schedule located in Table C. Table B is divided into two sections in order to separately list one-time only and recurrent submittal requirements.

Each submittal must be postmarked or received by the date specified in the applicable Table. Those submittals required by parts 7007.0100 to 7007.1850 must be certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21. Other submittals shall be certified as appropriate if certification is required by an applicable rule or permit condition.

Send any application for a permit or permit amendment to:

Permit Technical Advisor  
Permit Section  
Air Quality Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

Also, where required by an applicable rule or permit condition, send to the Permit Technical Advisor notices of:

- accumulated insignificant activities,
- installation of control equipment,
- replacement of an emissions unit, and
- changes that contravene a permit term.

Unless another person is identified in the applicable Table, send all other submittals to:

Supervisor  
Compliance Determination Unit  
Air Quality Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

Send submittals that are required to be submitted to the U.S. EPA regional office to:

Mr. George Czerniak  
Air and Radiation Branch  
EPA Region V  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Send submittals that are required by the Acid Rain Program to:

U.S. Environmental Protection Agency  
Clean Air Markets Division  
1200 Pennsylvania Avenue NW (6204N)  
Washington, D.C. 20460

**TABLE B: ONE TIME SUBMITTALS OR NOTIFICATIONS**

07/28/01

Facility Name: USG Interiors Inc - Red Wing

Permit Number: 04900007 - 002

What to send	When to send	Portion of Facility Affected
Application for Permit Reissuance	due 180 days before expiration of Existing Permit	Total Facility
Computer Dispersion Modeling Protocol	due 1,096 days after Permit Issuance for PM10, Hydrogen Sulfide, NOx, and Sulfur Dioxide Emissions. This protocol will describe the proposed modeling methodology and input data, in accordance with all requirements of 40 CFR pt. 51, App. W, and with MPCA modeling guidance for Title V air dispersion modeling analyses. The protocol will be based on projected operating conditions under the next permit term. This is a state only requirement and is not enforceable by the EPA Administrator or citizens under the Clean Air Act.	Total Facility
Computer Dispersion Modeling Results	due 1,462 days after Permit Issuance for PM10, Hydrogen Sulfide, NOx, and Sulfur Dioxide. To be submitted after the MPCA has reviewed and approved the modeling protocol, and should adhere to MPCA modeling guidance for Title V air dispersion modeling analyses. This is a state only requirement and is not enforceable by the EPA Administrator or citizens under the Clean Air Act.	Total Facility
Performance Test Notification (written)	due 30 days before Performance Test	SV005, SV009
Performance Test Plan	due 30 days before Performance Test	SV005, SV009
Performance Test Report - Microfiche Copy	due 105 days after Performance Test	SV005, SV009
Performance Test Report	due 45 days after Performance Test	SV005
Performance Test Report	due 45 days after Performance Test	SV009
Testing Frequency Plan	due 60 days after Initial Performance Test. The plan shall specify a testing frequency using the initial PM, H2S and SO2 performance test data and MPCA guidance. Future performance tests based on year (12-month), 36-month, and 60-month intervals, or as applicable shall be required on written approval by MPCA per Minn. R. 7017.2020, subp. 1.	SV009

**TABLE B: RECURRENT SUBMITTALS**

07/28/01

Facility Name: USG Interiors Inc - Red Wing

Permit Number: 04900007 - 002

What to send	When to send	Portion of Facility Affected
Excess Emissions/Downtime Reports (EER's)	due 30 days after end of each calendar half-year following Initial Startup of the Monitor System. The monitor subject to this requirement is the CE 003 Continuous Temperature Monitor. If there were no exceedances in the reporting period, the Permittee shall submit the report indicating that no excess emissions occurred during the reporting period.	SV009
Semiannual Deviations Report	due 30 days after end of each half-year starting 07/21/1999. The first semiannual report submitted by the Permittee shall cover the calendar half-year in which the permit is issued. The first report of each calendar year covers January 1 - June 30. The second report of each calendar year covers July 1 - December 31.	Total Facility
Compliance Certification	due 31 days after end of each year starting 07/21/1999 (for the previous calendar year). To be submitted on a form approved by the Commissioner, both to the Commissioner, and to the U.S. EPA regional office in Chicago. This report covers all deviations experienced during the calendar year. The EPA copy shall be sent to: Mr. George Czerniak, Chief, Air Enforcement and Compliance Assurance Branch, Air and Radiation Division, EPA Region V, 77 West Jackson Boulevard, Chicago, Illinois 60604.	Total Facility

**TECHNICAL SUPPORT DOCUMENT**  
**For**  
**DRAFT AIR EMISSION PERMIT NO. 04900007-002**

This technical support document is for all the interested parties of the draft permit. The purpose of this document is to set forth the legal and factual basis for the draft permit conditions, including references to the applicable statutory or regulatory provisions.

**1. General Information**

1.1. Applicant and Stationary Source Location:

<b>Owner and Operator Address</b>	<b>Facility Address (SIC Code: 3296)</b>
USG Interiors Box 4470 Chicago, Illinois 60680-4470	27384 Highway 61 Boulevard Red Wing, Minnesota Goodhue County

1.2. Description of the Facility

USG Interiors (USG) produces mineral wool at its plant in Red Wing. The mineral wool is then sent to other facilities to be made into products such as ceiling tiles. Main emission sources involved in this process are the two cupolas, where the stone and slag are heated and melted with coke, the blow chambers where the melt is spun and blown into wool fibers, and the facility boiler, used for heating the facility when the cupolas are not operating. The boiler is fueled with natural gas. There are also some tanks. All are below the size that would be subject to any federal or state regulation. The tanks are used for storing gasoline, diesel fuel, oxygen, polyethylene glycol, and chain lube. Fugitive particulate matter emission sources are raw material handling and storage and unpaved roads.

1.3. Description of the Activities Allowed by this Permit Action

This permit amendment is a Minnesota Pollution Control Agency (MPCA) initiated administrative amendment. It implements the 2001 MPCA air dispersion modeling policy and imposes additional requirements on the Permittee. This qualifies as an Administrative Amendment under Minn. R. 7007.1400, subp. 1(C).

1.4. Facility Emissions

There are no changes in emissions associated with this permit amendment.

## **2. Conclusion**

Based on the information provided by USG, the MPCA has reasonable assurance that the proposed operation of the emission facility, as described in the Air Emission Permit No. 04900007-002 and this technical support document, will not cause or contribute to a violation of applicable federal regulations and Minnesota rules.

Staff Members on Permit Team: Jim Robin

Attachment: CD-01 Forms